



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



PRE MID TERM I: 2026-27

ARTIFICIAL INTELLIGENCE – SET 1

Class: VI

Time : 1 hr.

Date: 25-07-2026

Max Marks: 25

General Instructions:

All questions are compulsory.

The Question Paper is divided into three sections Section A to C.

- Section A has 15 questions and carry 1 mark each.
- Section B has 2 questions and carry 2 marks each.
- Section C has 2 question and carry 3 marks each.

Section A

Q1. Write the correct answer:

(6 x 1 = 6)

- What is the primary goal of automation?
 - To make machines think like humans
 - To make tasks faster, safer, and more accurate
 - To create new rules for every task
 - To replace all human interaction
- Which of these is compared to a "Robot Chef with a recipe book" because it strictly follows pre-set rules?
 - Artificial Intelligence
 - Social Media feeds
 - Automation
 - Self-driving cars
- Which technology is best suited for "mental work" like predicting the weather or suggesting music?
 - Basic Automation
 - Artificial Intelligence
 - Manual labor
 - Mechanical gears
- Who published the book "Giant Brains: Or Machines That Think" in 1949?
 - Alan Turing
 - Edmund Berkeley
 - John McCarthy
 - Arthur Samuel

- v. The "imitation game" designed to test a machine's intelligence is better known as:
- a) The AI Challenge b) The Samuel Test
- c) The Turing Test d) The LISP Test
- vi. Which humanoid robot was created by Hanson Robotics in 2016 and is known as the first "robot citizen"?
- a) Cortana b) Aditi c) Raveena d) Sophia

Q2. State True or False for the following statements (5 x 1 = 5)

- a. John McCarthy developed LISP, a popular programming language for AI research, in 1958.
- b. The period known as "AI Winter" was a time of massive funding and rapid success for AI.
- c. Shakey the robot was developed by Boston Dynamics.
- d. Automation can decide to change its program if the dishes in a dishwasher are extra dirty.
- e. Automated systems can work 24/7 without needing breaks, which increases productivity.

Q3. For each question, choose the correct option: (4 x 1=4)

- a) Both Assertion (A) and Reason (R) are true, and R is the correct explanation of A.
- b) Both Assertion (A) and Reason (R) are true, but R is NOT the correct explanation of A.
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.
- i. **Assertion (A):** The main objective of automation is to make processes faster, safer and more accurate by replacing human effort with machines.
Reason (R): Automation involves using technology or systems to execute tasks with minimal to no human involvement.
- ii. **Assertion (A):** AI excels at handling complex, unstructured problems, such as understanding natural human language or recognizing objects in images.
Reason (R): Traditional automation is designed for repetitive, predictable, and rule-based tasks, making it unsuitable for intricate, unstructured problems.
- iii. **Assertion (A):** Sophia, created by Hanson Robotics, is distinguished from previous humanoid robots and is known as the first "robot citizen"
Reason (R): Sophia has the ability to see through image recognition, make facial expressions, and communicate through AI
- iv. **Assertion (A):** By 1970, many AI researchers realized that their earlier promises to build all-purpose intelligent machines by the 1980s were too optimistic
Reason (R): Early AI programs were not successful at solving simple "toy problems,".

Section B

Q4. Write the answer in short(2-3 sentences). (2 x 2 = 4)

- i. Define and explain 'AI Winters'.
- ii. What are the primary benefits of Automation? Write any two.

Section C

Q5. Write the answer in 5-6 sentences. (3 x 2 = 6)

- a) Write any three real world examples to explain Automation and AI.
- b) Write a brief history of Artificial Intelligence.

***** ALL THE BEST *****